

ABSTRACT OF THE DISCLOSURE

A packet compressor 12 operates under a reliable mode or an optimistic mode. A mode determination unit 31 counts the number of ACK packets or NACK packets received by a unit time  $X$  by an ACK/NACK packet receiver 14. When the counted number of NACK packets is larger than a predetermined value  $Y$ , the mode determination unit 31 switches the operation mode of the packet compressor 12 to the reliable mode. When the counted number of ACK packets is larger than a predetermined value  $Z$ , the mode determination unit 31 switches the operation mode of the packet compressor 12 to the optimistic mode.